

STANAGVGA-IS

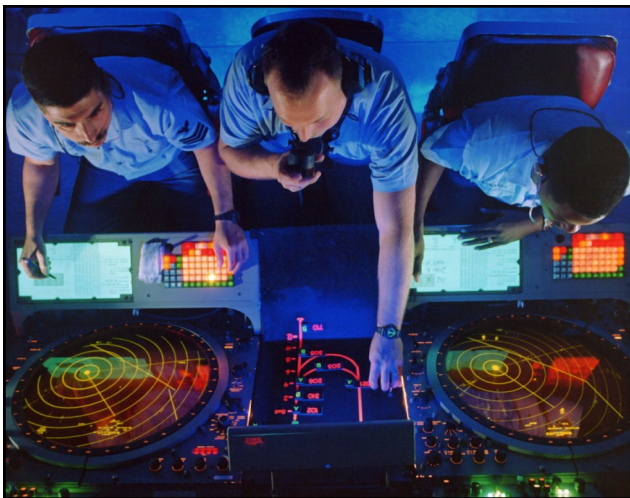
Stanag3350-to-VGA converter



**Advanced Micro
Peripherals**

THE EMBEDDED VIDEO EXPERTS

The STANAGVGA-IS is an intelligent stand-alone scan converter that accepts a STANAG3350 Class A input and outputs VGA signals at up to 1440x900 resolution.



The STANAGVGA-IS features high speed analog signal digitization, video scaling, frame rate conversion and a timing generator. This provides seamless and automatic conversion of STANAG3350 Interlaced RGB signals to progressive analog VGA output.

The STANAGVGA-IS accepts STANAG3350 video as separate red, green, blue signals with the video synchronization pulse embedded in the green signal.

The STANAGVGA-IS is an intelligent stand-alone device with it's own on-board MPU and does not require a host CPU or any driver software. For mechanical convenience the module can be mounted on a PCI-104 stack without consuming host CPU resources.

Rev A.01

Subject to change without notification

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Convert
STANAG3350
Class A
to
Standard
Analog
VGA



STANAGVGA-IS

Stanag3350-to-VGA converter



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THE EMBEDDED VIDEO EXPERTS



On-board

MPU

for

Intelligent,

Stand-alone

Operation

Applications

Aerospace instrumentation
Instrument panel
Multi-function display (MFD)
Situational Awareness
Remote Video Surveillance
Naval/Marine instrumentation
Border Security
Traffic Monitoring and Control
Video Acquisition and Analytics

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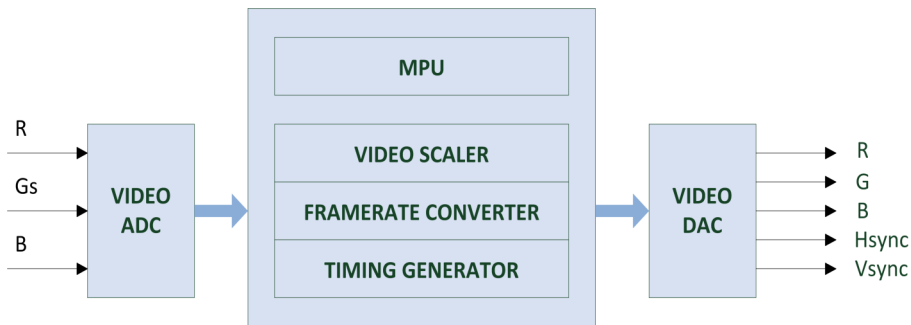
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STANAGVGA-IS Functional Diagram

Aerospace and
Marine
Instrumentation

Border
Security

Features

Converts STANAG3350 Class A to standard analog VGA

Separate RGB inputs with sync-on-green

Supports VGA output up to 1440x900 (WXGA+)

Single +5V power supply

Stand-alone operation

Operating system neutral

Standard PCI-104 mechanical form factor

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Analog Video Input

Compliant with STANAG3350 Class A.
STANAG3350 Class A 875 lines @ 30fps (based on RS-343)
Separate Red / Green / Blue input with Sync-on-green
3x 10bit analog-to-digital converters

Analog Video Output

Progressive scan RGB, H-Sync, V-Sync (Analog VGA)
10bit digital-to-analog conversion

Video Output Resolutions

WXGA+ 1440x900

Miscellaneous

Intelligent stand-alone module, does not require host computer
Standard 3.6 x 3.8in PCI-104 form factor
Mechanical mounting for PCI-104 stack
Single +5V supply
Operating temp 0°C to 60°C
Operating temp -40°C to +85°C (extended temp option)

Related Products

H264-HD2000 - HD H.264 Compression card for PC/104-Plus

Ordering Information

STANAGVGA-IS-A

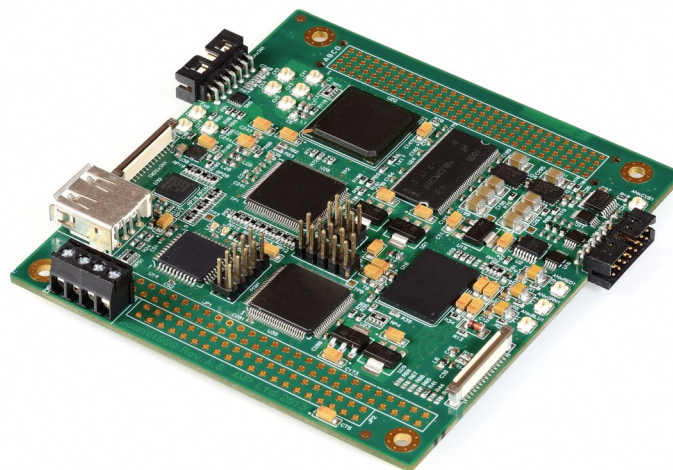
Stanag3350 Class A to VGA scan converter (0 to 60°C)

STANAGVGA-IS-A-EXT

Stanag3350 Class A to VGA scan converter (-40°C to +85°C)

Cable-STANAGVGA

Cable set for STANAGVGA-IS
(3x u.FL-to-BNC coax input cables, 1x VGA output cable)



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